ELSEVIER

Earth and Planetary Science Letters 190 (2001) 285–286

EPSL

www.elsevier.com/locate/epsl

Contents Volume 190

Regular Letters

Pyrrhotite and the remanent magnetization of SNC meteorites: a changing perspective on Martian magnetism
P. Rochette, J.-P. Lorand, G. Fillion and V. Sautter 1

Noise in the quiet zone
M. Cronin, L. Tauxe, C. Constable, P. Selkin and T. Pick 13

On origin of near-axis volcanism and faulting at fast spreading mid-ocean ridges
Y. Fialko 31

Crustal structure of Ascension Island from wide-angle seismic data: implications for the formation of near-ridge volcanic islands
F. Klingelhöfer, T.A. Minshull, D.K. Blackman, P. Harben and V. Childers 41

Mineralogy of subducted basaltic crust (MORB) from 25 to 37 GPa, and chemical heterogeneity of the lower mantle
S. Ono, E. Ito and T. Katsura 57

Phase relation and physical properties of an Al-depleted komatiite to 23 GPa
Y. Nishihara and E. Takahashi 65

Fluid genesis through serpentinites and the origin of subsurface electrical conductors in Northwest India and adjoining regions
V.K. Rao and S.N. Prasad 79

The effect of temperature, pressure, and sulfur content on viscosity of the Fe–FeS melt
H. Terasaki, T. Kato, S. Urakawa, K.-i. Funakoshi, A. Suzuki, T. Okada, M. Maeda, J. Sato, T. Kubo and S. Kasai 93

Investigating the ancient Martian magnetic field using microwaves
J. Shaw, M.J. Hill and S.J. Openshaw 103

The age of the inner core
S. Labrosse, J.-P. Poirier and J.-L. Le Mouël 111

Latent heat effects of the major mantle phase transitions on low-angle subduction
J. van Hunen, A.P. van den Berg and N.J. Vlaar 125

A hafnium isotope and trace element perspective on melting of the depleted mantle
C. Chauvel and J. Blichert-Toft 137

Systematics of xenocrystic contamination: preservation of discrete feldspar populations at McCullough Pass Caldera revealed by $^{40}Ar/^{39}Ar$ dating
T.L. Spell, E.I. Smith, A. Sanford and K.A. Zanetti 153

Lowermost mantle anisotropy beneath the Pacific: Imaging the source of the Hawaiian plume
M.J. Fouch, K.M. Fischer and M.E. Wysession 167

The early Paleozoic carbon cycle
Y. Goddéris, L.M. François and J. Veizer 181

High precision glacial–interglacial benthic foraminiferal Sr/Ca records from the eastern equatorial Atlantic Ocean and Caribbean Sea
C.-C. Shen, D.W. Hastings, T. Lee, C.-H. Chiu, M.-Y. Lee, K.-Y. Wei and R.L. Edwards 197

Anomalous strontium and lead isotope signatures in the off-rift Öræfajökull central volcano in south-east Iceland
T. Prestvik, S. Goldberg, H. Karlsson and K. Grönvold 211

Inherent gravitational instability of thickened continental crust with regionally developed low- to medium-pressure granulite facies metamorphism
T.V. Gerya, W.V. Maresch, A.P. Willner, D.D. Van Reenen and C.A. Smit 221

Weak zone formation for initiating subduction from thermo-mechanical feedback of low-temperature plasticity
J.M. Branlund, K. Regenauer-Lieb and D.A. Yuen 237

Mantle thermal structure and active upwelling during continental breakup in the North Atlantic
W.S. Holbrook, H.C. Larsen, J. Korenaga, T. Dahl-Jensen, I.D. Reid, P.B. Kelemen, J.R. Hopper, G.M. Kent, D. Lizarralde, S. Bernstein and R.S. Detrick 251

Discussion

Comment on "$^{40}Ar/^{39}Ar$ age of plagioclase from Acapulco meteorite and the problem of systematic errors in cosmochronology" by Paul R. Renne
M. Trieloff, E.K. Jessberger and C. Fieni 267

Reply to Comment on '$^{40}Ar/^{39}Ar$ age of plagioclase from Acapulco meteorite and the problem of systematic errorsin cosmochronology' by Mario Trieloff, Elmar K. Jessberger and Christine Fieni
P.R. Renne 271

Corrigendum

Corrigendum to "Global ice volumes at the Last Glacial Maximum and early Lateglacial" [Earth Planet. Sci. Lett. 181 (2000) 513–527]
K. Lambeck, Y. Yokoyama, P. Johnston and A. Purcell 275

Erratum

Erratum to "Phanerozoic, pre-Cretaceous thermotectonic events in southern Sweden revealed by fission track thermochronology"
C. Cederbom 277

Author Index Volume 190 281